

Title (en)

Force actuators.

Title (de)

Kraftbetätigungsvorrichtung.

Title (fr)

Dispositif d'actionnement à force.

Publication

**EP 0246770 A2 19871125 (EN)**

Application

**EP 87303773 A 19870428**

Priority

- GB 8612061 A 19860517
- GB 8629765 A 19861212

Abstract (en)

A force actuator comprising an output member (1) movable from a first position to a second output-force-exerting position; first operating means (2) connected by a first transmission path (3) to the output member (1), and second operating means (20) connected by a second transmission path (23) to the output member (1); the ratio of the transmission paths, (3,23), the inertia of the respective transmission paths (3,23) and the operating means (2,20) connected thereto and the accelerating force capable of being generated by the respective operating means (2,20) and transmitted via the transmission path (2,23) connected thereby to the output member (1) all collectively being such that, with the output member (1) in its first position, simultaneous initiation of the operating means (2,20) causes the first operating means (2) to constitute the prime means by which the output member (1) is moved to its second position and, when in that second position, the second operating means (20) constitutes the prime means by which the output member (1) is caused to exert the output force.

IPC 1-7

**B60T 13/74**; F16D 65/34

IPC 8 full level

**B60T 13/74** (2006.01); **B61H 13/00** (2006.01); **F16D 65/14** (2006.01); **F16D 65/28** (2006.01); **F16D 66/00** (2006.01)

CPC (source: EP)

**B60T 13/743** (2013.01); **B61H 13/00** (2013.01); **F16D 65/28** (2013.01); **F16D 2066/003** (2013.01); **F16D 2066/005** (2013.01); **F16D 2121/26** (2013.01); **F16D 2123/00** (2013.01); **F16D 2125/40** (2013.01); **F16D 2125/48** (2013.01); **F16D 2127/06** (2013.01)

Cited by

FR2757918A1; EP0266856A1; US6158558A; US6012556A; EP2886903A3; WO9424453A1; WO9745653A1; WO9736116A1; WO9803801A1; WO9736117A1

Designated contracting state (EPC)

CH DE ES FR IT LI

DOCDB simple family (publication)

**EP 0246770 A2 19871125**; **EP 0246770 A3 19880907**; AU 7188387 A 19871119

DOCDB simple family (application)

**EP 87303773 A 19870428**; AU 7188387 A 19870423